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TAKAHASHI ISAMU**(54) DEVICE FOR PREVENTING DEVELOPMENT OF RANCIDITY FROM WATER-SOLUBLE PROCESSING SOLUTION****(57)Abstract:**

PURPOSE: To prevent development of rancidity by inserting a cathode and a silver anode into a charged cell charged with a water-soluble processing soln., passing an electric current, and regulating the quantity of electricity to control the propagation of fungi and bacteria.

CONSTITUTION: In the device for controlling the putrefaction of the water-soluble processing soln. such as cutting oil and preventing the development of rancidity from the processing soln., the cathode 13 and the silver anode 12 are inserted into the charged cell 10, and an electric current is passed through the cathode 13 and the anode 12 from a DC power source 14.

Consequently, electrolysis is conducted, and silver ions generated in the water-soluble processing soln. 1 acting as the electrolyte are implanted. Accordingly, propagation is controlled and development of rancidity can be prevented only by regulating the quantity of electricity in accordance with the generation rate of fungi and bacteria, the kind and quantity of the processing soln., etc.

